Interferon Alpha (IFNa) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Interferon Alpha (IFNa), Polyclonal Antibody
Full Product Name	Biotin-Linked Polyclonal Antibody to Interferon Alpha (IFNa)
Product Gene Name	anti-IFNa antibody
Product Synonym Names	Interferon Alpha; IFNA1; IFL; LeIF D; IFN; IFN-Alpha; IFNA13; IFN-A; IFNAP22; IFN-Alpha 1b; Interferon Alpha 1b; Interferon, Leukocytic; IFN, Leukocyte; Interferon alpha-D
Immunogen Sequence	Cys24~Lys1 89
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	>=0.5mg/mL (Please refer to the vial label for the specific concentration.) (lot specific)
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, -20 degree C for 12 months
Matching Pairs	Unconjugated Antibody: IFNa (MBS2032506) Biotin Conjugated Antibody: IFNa (MBS2166893)
Matching Pairs	Biotin Conjugated Antibody: IFNa (MBS2166893) Immunogen: IFNa (MBS2086659)
Molecular Weight	21,646 Da
3D Structure	ModBase 3D Structure for P01572
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Conjugation	Biotin
Product Categories/Family for anti-IFNa antibody	Polyclonal Antibodies (Primary Abs); Primary, Biotin-conjugated; Cytokine; Infection immunity
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-IFNa antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-IFNa antibody	WB: 0.5-2ug/mL IHC: 5-20ug/mL ICC: 5-20ug/mL
Related Product Information for anti-IFNa antibody	MBS2166893 is an antibody targeting IFNa. Also known as Biotin-Linked Polyclonal Antibody to Interferon Alpha (IFNa). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-IFNa antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFNa. It may not necessarily be applicable to this product.

NCBI GI #	117168293
NCBI GeneID	15962
NCBI Accession #	NP_034632.2
UniProt Primary Accession #	P01572
UniProt Secondary Accession #	Q7M0A3; Q810G7
UniProt Related Accession #	P01572
GenBank Nucleotide #	NM_010502.2
NCBI Official Full Name	interferon alpha-1
NCBI Official Synonym Full Names	interferon alpha 1
NCBI Official Symbol	Ifna1
NCBI Official Synonym Symbols	Ifa1
UniProt Protein Name	Interferon alpha-1
UniProt Gene Name	Ifna1
UniProt Synonym Gene Names	IFN-alpha-1
UniProt Entry Name	IFNA1_MOUSE
NCBI Protein Information	interferon alpha-1; IFN-alpha-1; interferon alpha family gene 1
UniProt Comments for IFNa	IFNA1/13: a cytokine that belongs to the alpha/beta interferon family. Protein type: Membrane protein, integral Cellular Component: extracellular space; extracellular region Molecular Function: hematopoietin/interferon-class (D200-domain) cytokine receptor binding; interferon-alpha/beta receptor binding; cytokine activity Biological Process: B cell proliferation; adaptive immune response; response to exogenous dsRNA; B cell differentiation; cytokine and chemokine mediated signaling pathway; defense response to bacterium; natural killer cell activation during immune response; regulation of MHC class I biosynthetic process; innate immune response; defense response; defense response to virus; humoral immune response; positive regulation of peptidyl-serine phosphorylation of STAT protein; T cell activation during immune response
Research Articles on IFNa	**1.** IL-12 and IFN-alpha differentially program CD8 T cells to re-express distinct levels of PD-1 upon re-encountering Ag, resulting in IL-12-stimulated cells being less susceptible to exhaustion in the face of sustained tumor Ag.
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